

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  WPP86385	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No.  PCT/GB 03/ 03327	International filing date (day/month/year)  30/07/2003	(Earliest) Priority Date (day/month/year)  30/07/2002
Applicant  PHARMA MAR, S.A.U.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/03327

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D407/06 C07D493/08 C07D303/32 A61P35/00 A61K41/35  
//(C07D407/06, 309:00, 303:00), (C07D493/08, 317:00, 307:00)

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BIOSIS, MEDLINE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 514 708 A (RINEHART KENNETH L ET AL) 7 May 1996 (1996-05-07) cited in the application compounds 1,2, 3 or 4 the whole document	1
A	TAYLOR R E ET AL: "A Divergent Approach to the Myriaporones and Tedanolide: Enantioselective Preparation of the Common Intermediate" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 39, no. 51, 17 December 1998 (1998-12-17), pages 9361-9364, XP004144201 ISSN: 0040-4039 cited in the application the whole document	1

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

25 November 2003

Date of mailing of the international search report

12/12/2003

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/03327

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WILLIAM R.ROUSH AND GREGORY C. LANE:  "Studies on the Synthesis of Tedanolide:  Synthesis of the C(5-C(21) Segment via a  HighlyStereoselectiv Fragment Assembly  Aldol reaction of a Chiral  beta,gamma-Unsaturated Methyl Ketone"  ORGANIC LETTERS,  vol. 1, no. 1, 1999, pages 95-98,  XP002262796  cited in the application  Scheme 1., compound 12</p> <p>---</p>	35
A	<p>TAYLOR RICHARD E ET AL:  "Zirconium-mediated allylations: A  diastereoselective approach to the  myriaporones"  ABSTRACTS OF PAPERS AMERICAN CHEMICAL  SOCIETY,  vol. 218, no. 1-2, 1999, page ORGN 591  XP009020690  218th National Meeting of the American  Chemical Society, Parts 1 and 2;New  Orleans, Louisiana, USA; August 22-26,  1999  ISSN: 0065-7727  the whole document</p> <p>---</p>	1
A	<p>TAYLOR RICHARD E ET AL: "Synthetic  efforts toward the total synthesis of  myriaporone 1"  ABSTRACTS OF PAPERS AMERICAN CHEMICAL  SOCIETY,  vol. 218, no. 1-2, 1999, page ORGN 621  XP009020691  218th National Meeting of the American  Chemical Society, Parts 1 and 2;New  Orleans, Louisiana, USA; August 22-26,  1999  ISSN: 0065-7727  the whole document</p> <p>---</p>	1
A	<p>ZHENG B Z ET AL: "Studies on the  synthesis of myriaporones: stereoselective  synthesis of the C5-C13 fragment starting  from D-glucose via regioselective  reductive opening of methoxybenzylidene  acetal."  CHEMICAL &amp; PHARMACEUTICAL BULLETIN. JAPAN  NOV 2000,  vol. 48, no. 11, November 2000 (2000-11),  pages 1761-1765, XP001156133  ISSN: 0009-2363  Chart 1</p> <p>-----</p>	35, 38, 45

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/03327

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5514708	A	07-05-1996	NONE